

40 CFR Part 60, Subpart OOOOa Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - §60.5420a(b) Annual Report Spreadsheet Template

Instructions for Spreadsheet Template

Purpose:

This spreadsheet template was designed by the U.S. EPA to facilitate annual reporting for Oil and Gas Facilities under 40 CFR part 60, subpart OOOOa. CEDRI is accessed through the EPA's Central Data Exchange (<https://cdx.epa.gov>)

Electronic reporting:

Electronic submission of annual reports through the EPA's Compliance and Emissions Data Reporting (CEDRI) is required under §60.5420a(b). Additionally, excess emissions periods for sweetening units is required to be reported in the annual report under §60.5423a(b).

The CEDRI spreadsheet template upload feature allows you to submit data in a single report for a single facility or multiple facilities, as well as multiple sites, using this EPA provided Excel workbook. Data for the site(s) must be entered into the worksheet labeled "Site Information" in this Excel workbook. Each row in the "Site Information" worksheet includes the data for a single site. The Site Record No. will be used to match the information on each tab to the appropriate site.

IMPORTANT: For each site/facility record found in the "Site Information" worksheet, you may reference a single file attachment that includes all information for each citation found in the workbook or provide individual file names for each individual citation record. In the examples provided in the workbook, we provide both as an example.

Note: If you are uploading file attachments for your report, the uploaded files may be in any format (e.g., zip, docx, PDF). If you would like to include an Excel file(s) as an attachment, you must first zip the excel file(s) into a separate ZIP file to the master ZIP file that will be uploaded into CEDRI.

Once all data have been entered in the worksheet, combine this Excel workbook and all attachment files (including any ZIP file containing separate excel file(s), if applicable) into a single ZIP file for upload to CEDRI. **The spreadsheet must be uploaded into CEDRI as a single ZIP file, which must include this Excel workbook and any related attachments that were referenced in any of the worksheets found in the workbook (e.g., the Certification file found in the "Site Information" worksheet).**

Please ensure your report includes all of the required data elements found in the listed citations below for this spreadsheet upload submission.

Template Navigation and Tabs to Complete:

The worksheet " " contains a list of questions about the information you will be reporting. Selecting "No" in the list of questions will hide the tabs associated with worksheets that are not relevant to your reporting. For example, if you answer "No" to whether you will be reporting for affected pneumatic controllers, the "Controllers" worksheet will be hidden from that point forward, unless you change the answer back to "Yes".

Within some of the worksheets, there are questions which are linked to conditional formatting. Depending on your answer to these questions, certain cells will be blacked out, indicating that those data fields are no longer relevant based on your answer.

Within the tabs, there is an example row and row containing the XML tags. No data entry is made in these rows.

You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (12) of §60.5420a. You must submit annual reports following the procedure specified in paragraph §60.5420a(b)(11). What additional recordkeeping and reporting requirements apply to my sweetening unit affected facilities at onshore natural gas processing plants? You must submit a report of excess emissions to the Administrator in your annual report if you had excess emissions during the reporting period.	
§60.5420a What are my notification, reporting, and recordkeeping requirements?	
(b) Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(1) through (8) and (12) of this section and performance test reports as specified in paragraph (b)(9) or (10) of this section, if applicable. You must submit annual reports following the procedure specified in paragraph (b)(11) of this section. The initial annual report is due no later than 90 days after the end of the initial compliance period as determined according to §60.5410a. Subsequent annual reports are due no later than same date each year as the initial annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report contains all of the information required as specified in paragraphs (b)(1) through (8) and (12) of this section. Annual reports may coincide with title V reports as long as all the required elements of the annual report are included. You may arrange with the Administrator a common schedule on which reports required by this part may be submitted as long as the schedule does not extend the reporting period.	
(1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section for all reports. (i) The company name, facility site name associated with the affected facility, US Well ID or US Well ID associated with the affected facility, if applicable, and address of the affected facility. If an address is not available for the site, include a description of the site location and provide the latitude and longitude coordinates of the site in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983. (ii) An identification of each affected facility being included in the annual report. (iii) Beginning and ending dates of the reporting period. (iv) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.	
(2) For each well affected facility that is subject to §60.5375a(a) or (f), the records of each well completion operation conducted during the reporting period, including the information specified in paragraphs (b)(2)(i) through (b)(2)(xiv) of this section, if applicable. In lieu of submitting the records specified in paragraph (b)(2)(i) through (b)(2)(xiv) of this section, the owner or operator may submit a list of each well completion with hydraulic fracturing completed during the reporting period, and the digital photograph required by paragraph (c)(1)(v) of this section for each well completion. For each well affected facility that routes flowback entirely through permanent separators, the records specified in paragraphs (b)(2)(i) through (b)(2)(iv) and (b)(2)(vi) through (b)(2)(xiv) of this section. For each well affected facility that is subject to §60.5375a(g), the record specified in paragraph (b)(2)(xv) of this section. (i) Well Completion ID. (ii) Latitude and longitude of the well in decimal degrees to an accuracy and precision of five (5) decimals of a degree using North American Datum of 1983.	

<p>(iii) US Well ID.</p> <p>(iv) The date and time of the onset of flowback following hydraulic fracturing or refracturing</p> <p>(v) The date and time of each attempt to direct flowback to a separator as required in §60.5375a(a)(1)(ii).</p> <p>(vi) The date and time that the well was shut in and the flowback equipment was permanently disconnected, or the startup of production.</p> <p>(vii) The duration (in hours) of flowback.</p> <p>(viii) The duration (in hours) of recovery and disposition of recovery (i.e., routed to the gas flow line or collection system, re-injected into the well or another well, used as an onsite fuel source, or used for another useful purpose that a purchased fuel or raw material would serve).</p> <p>(ix) The duration (in hours) of combustion.</p> <p>(x) The duration (in hours) of venting.</p> <p>(xi) The specific reasons for venting in lieu of capture or combustion.</p> <p>(xii) For any deviations recorded as specified in paragraph (c)(1)(ii) of this section, the date and time the deviation began, the duration of the deviation, and a description of the deviation.</p> <p>(xiii) For each well affected facility subject to §60.5375a(f), a record of the well type (i.e., wildcat well, delineation well, or low pressure well (as defined §60.5430a)) and supporting inputs and calculations, if applicable.</p> <p>(xiv) For each well affected facility for which you claim an exception under §60.5375a(a)(3), the specific exception claimed and reasons why the well meets the claimed exception.</p> <p>(xv) For each well affected facility with less than 300 scf of gas per stock tank barrel of oil produced, the supporting analysis that was performed in order the make that claim, including but not limited to, GOR values for established leases and data from wells in the same basin and field.</p>
<p>(3) For each centrifugal compressor affected facility, the information specified in paragraphs (b)(3)(i) through (iv) of this section.</p> <p>(i) An identification of each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the reporting period.</p> <p>(ii) For each deviation that occurred during the reporting period and recorded as specified in paragraph (c)(2) of this section, the date and time the deviation began, the duration of the deviation, and a description of the deviation.</p> <p>(iii) If required to comply with §60.5380a(a)(2), the information in paragraphs (b)(3)(iii)(A) through (C) of this section.</p> <p>(A) Dates of each inspection required under §60.5416a(a) and (b);</p> <p>(B) Each defect or leak identified during each inspection, how the defect or leak was repaired and date of repair or the date of anticipated repair if the repair is delayed; and</p> <p>(C) Date and time of each bypass alarm or each instance the key is checked out if you are subject to the bypass requirements of §60.5416a(a)(4).</p> <p>(iv) If complying with §60.5380a(a)(1) with a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e), the information in paragraphs (b)(3)(iv)(A) through (D) of this section.</p> <p>(A) Identification of the compressor with the control device.</p> <p>(B) Make, model, and date of purchase of the control device.</p> <p>(C) For each instance where the inlet gas flow rate exceeds the manufacturer’s listed maximum gas flow rate, where there is no indication of the presence of a pilot flame, or where visible emissions exceeded 1 minute in any 15-minute period, include the date and time the deviation began, the duration of the deviation, and a description of the deviation.</p> <p>(D) For each visible emissions test following return to operation from a maintenance or repair activity, the date of the visible emissions test, the length of the test, and the amount of time for which visible emissions were present.</p> <p>(v) If complying with §60.5380a(a)(1) with a control device not tested under §60.5413a(d), identification of the compressor with the tested control device, the date the performance test was conducted, and pollutant(s) tested. Submit the performance test report following the procedures specified in paragraph (b)(9) of this section.</p>
<p>(4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) through (iii) of this section.</p> <p>(i) The cumulative number of hours of operation or the number of months since initial startup, since August 2, 2016, or since the previous reciprocating compressor rod packing replacement, whichever is later. Alternatively, a statement that emissions from the rod packing are being routed to a process through a closed vent system under negative pressure.</p>

<p>(ii) If applicable, for each deviation that occurred during the reporting period and recorded as specified in paragraph (c)(3)(iii) of this section, the date and time the deviation began, duration of the deviation and a description of the deviation.</p> <p>(iii) If required to comply with §60.5385a(a)(3), the information in paragraphs (b)(4)(iii)(A) through (C) of this section.</p> <p>(A) Dates of each inspection required under §60.5416a(a) and (b);</p> <p>(B) Each defect or leak identified during each inspection, how the defect or leak was repaired and date of repair or date of anticipated repair if repair is delayed; and</p> <p>(C) Date and time of each bypass alarm or each instance the key is checked out if you are subject to the bypass requirements of §60.5416a(a)(4).</p>
<p>(5) For each pneumatic controller affected facility, the information specified in paragraphs (b)(5)(i) through (iii) of this section.</p> <p>(i) An identification of each pneumatic controller constructed, modified or reconstructed during the reporting period, including the month and year of installation, reconstruction or modification and identification information that allows traceability to the records required in paragraph (c)(4)(iii) or (iv) of this section.</p> <p>(ii) If applicable, reason why the use of pneumatic controller affected facilities with a natural gas bleed rate greater than the applicable standard are required.</p> <p>(iii) For each instance where the pneumatic controller was not operated in compliance with the requirements specified in §60.5390a, a description of the deviation, the date and time the deviation began, and the duration of the deviation.</p>
<p>(6) For each storage vessel affected facility, the information in paragraphs (b)(6)(i) through (ix) of this section.</p> <p>(i) An identification, including the location, of each storage vessel affected facility for which construction, modification or reconstruction commenced during the reporting period. The location of the storage vessel shall be in latitude and longitude coordinates in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.</p> <p>(ii) Documentation of the VOC emission rate determination according to §60.5365a(e) for each storage vessel that became an affected facility during the reporting period or is returned to service during the reporting period.</p> <p>(iii) For each deviation that occurred during the reporting period and recorded as specified in paragraph (c)(5)(iii) of this section, the date and time the deviation began, duration of the deviation and a description of the deviation.</p> <p>(iv) A statement that you have met the requirements specified in §60.5410a(h)(2) and (3).</p> <p>(v) You must identify each storage vessel affected facility that is removed from service during the reporting period as specified in §60.5395a(c)(1)(ii), including the date the storage vessel affected facility was removed from service.</p> <p>(vi) You must identify each storage vessel affected facility returned to service during the reporting period as specified in §60.5395a(c)(3), including the date the storage vessel affected facility was returned to service.</p> <p>(vii) For each storage vessel constructed, modified, reconstructed or returned to service during the reporting period complying with §60.5395a(a)(2) with a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e), the information in paragraphs (b)(6)(vii)(A) through (D) of this section.</p> <p>(A) Identification of the storage vessel with the control device.</p> <p>(B) Make, model, and date of purchase of the control device.</p> <p>(C) For each instance where the inlet gas flow rate exceeds the manufacturer's listed maximum gas flow rate, where there is no indication of the presence of a pilot flame, or where visible emissions exceeded 1 minute in any 15-minute period, include the date and time the deviation began, the duration of the deviation, and a description of the deviation.</p> <p>(D) For each visible emissions test following return to operation from a maintenance or repair activity, the date of the visible emissions test, the length of the test, and the amount of time for which visible emissions were present.</p> <p>(viii) If complying with §60.5395a(a)(2) with a control device not tested under §60.5413a(d), identification of the storage vessel with the tested control device, the date the performance test was conducted, and pollutant(s) tested. Submit the performance test report following the procedures specified in paragraph (b)(9) of this section.</p> <p>(ix) If required to comply with §60.5395a(b)(1), the information in paragraphs (b)(6)(ix)(A) through (C) of this section.</p> <p>(A) Dates of each inspection required under §60.5416a(c);</p> <p>(B) Each defect or leak identified during each inspection, how the defect or leak was repaired and date of repair or date of anticipated repair if repair is delayed; and</p> <p>(C) Date and time of each bypass alarm or each instance the key is checked out if you are subject to the bypass requirements of §60.5416a(c)(3).</p>

<p>(7) For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the company-defined area, the information specified in paragraphs (b)(7)(i) and (ii) of this section.</p> <p>(i)(A) For each collection of fugitive emissions components at a well site that became an affected facility during the reporting period, you must include the date of the startup of production or the date of the first day of production after modification.</p> <p>(B) For each collection of fugitive emissions components at a compressor station that became an affected facility during the reporting period, you must include the date of startup or the date of modification.</p> <p>(C) For each collection of fugitive emissions components at a well site where during the reporting period you complete the removal of all major production and processing equipment such that the well site contains only one or more wellheads, you must include a statement that all major production and processing equipment has been removed from the well site, the date of the removal of the last piece of major production and processing equipment, and if the well site is still producing to another site, the well ID or separate tank battery ID receiving the production.</p> <p>(D) For each collection of fugitive emissions components at a well site where you previously reported under paragraph (b)(7)(i)(C) the removal of all major production and processing equipment and during the reporting period major production and processing equipment is added back to the well site, the date that the first piece of major production and processing equipment is added back to the well site.</p> <p>(E) For the collection of fugitive emissions components at a compressor station, if a monitoring survey is waived under §60.5397a(g)(5), you must include in your annual report the fact that a monitoring survey was waived and the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived.</p> <p>(F) For each new collection of fugitive emissions components at a well site where the average combined oil and natural gas production for the wells at the site is less than 15 boe per day, you must submit the combined oil and natural gas production in boe for the wells at the site, averaged over the first 30 days of production.</p> <p>(ii) For each fugitive emissions monitoring survey performed during the annual reporting period, the information specified in paragraphs (b)(7)(ii)(A) through (L) of this section.</p> <p>(A) Date of the survey.</p> <p>(B) Name or unique ID of operator(s) performing survey.</p> <p>(C) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.</p> <p>(D) Monitoring instrument used.</p> <p>(E) Any deviations from the monitoring plan elements under §60.5397a(c)(1), (2), (7), and (8)(i) or a statement that there were no deviations from these elements of the monitoring plan.</p> <p>(F) Number and type of components for which fugitive emissions were detected.</p> <p>(G) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).</p> <p>(H) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.</p> <p>(I) The date of successful repair of the fugitive emissions component.</p> <p>(J) Number and type of fugitive emission components currently on delay of repair and explanation for each delay of repair.</p> <p>(K) Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding, if the type of instrument is different from the type used during the initial fugitive emissions finding.</p> <p>(L) Date of planned shutdown(s) that occurred during the reporting period if there are any components that have been placed on delay of repair.</p>	<p>(8) For each pneumatic pump affected facility, the information specified in paragraphs (b)(8)(i) through (iv) of this section.</p> <p>(i) For each pneumatic pump that is constructed, modified or reconstructed during the reporting period, you must provide certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(i)(A), (B) or (C) of this section.</p> <p>(A) No control device or process is available on site.</p> <p>(B) A control device or process is available on site and the owner or operator has determined in accordance with §60.5393a(b)(5) that it is technically infeasible to capture and route the emissions to the control device or process.</p> <p>(C) Emissions from the pneumatic pump are routed to a control device or process. If the control device is designed to achieve less than 95 percent emissions reduction, specify the percent emissions reductions the control device is designed to achieve.</p>
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<p>(ii) For any pneumatic pump affected facility which has been previously reported as required under paragraph (b)(8)(i) of this section and for which a change in the reported condition has occurred during the reporting period, provide the identification of the pneumatic pump affected facility and the date it was previously reported and a certification that the pneumatic pump meets one of the conditions described in paragraphs (b)(8)(ii)(A), (B) or (C) or (D) of this section.</p> <p>(A) A control device has been added to the location and the pneumatic pump now reports according to paragraph (b)(8)(i)(C) of this section.</p> <p>(B) A control device has been added to the location and the pneumatic pump affected facility now reports according to paragraph (b)(8)(i)(B) of this section.</p> <p>(C) A control device or process has been removed from the location or otherwise is no longer available and the pneumatic pump affected facility now report according to paragraph (b)(8)(i)(A) of this section.</p> <p>(D) A control device or process has been removed from the location or is otherwise no longer available and the owner or operator has determined in accordance with §60.5393a(b)(5) through an engineering evaluation that it is technically infeasible to capture and route the emissions to another control device or process.</p> <p>(iii) For each deviation that occurred during the reporting period and recorded as specified in paragraph (c)(16)(ii) of this section, the date and time the deviation began, duration of the deviation and a description of the deviation.</p> <p>(iv) If required to comply with §60.5393a(b), the information in paragraphs (b)(8)(iv)(A) through (C) of this section.</p> <p>(A) Dates of each inspection required under §60.5416a(c);</p> <p>(B) Each defect or leak identified during each inspection, how the defect or leak was repaired and date of repair or date of anticipated repair if repair is delayed; and</p> <p>(C) Date and time of each bypass alarm or each instance the key is checked out if you are subject to the bypass requirements of §60.5416a(c)(3).</p>
<p>(12) You must submit the certification signed by the in-house engineer or qualified professional engineer according to §60.5411a(d) for each closed vent system routing to a control device or process.</p>
<p>§60.5423a What additional recordkeeping and reporting requirements apply to my sweetening unit affected facilities at onshore natural gas processing plants?</p>
<p>(b) You must submit a report of excess emissions to the Administrator in your annual report if you had excess emissions during the reporting period....The report must contain the information specified in paragraph (b)(3) of this section.</p>
<p>(3) For each period of excess emissions during the reporting period, include the following information in your report:</p> <p>(i) The date and time of commencement and completion of each period of excess emissions;</p> <p>(ii) The required minimum efficiency (Z) and the actual average sulfur emissions reduction (R) for periods defined in paragraph (b)(1) of this section; and</p> <p>(iii) The appropriate operating temperature and the actual average temperature of the gases leaving the combustion zone for periods defined in paragraph (b)(2) of this section.</p>
<p>Submittal Requirements</p>
<p>(11) You must submit reports to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX (https://cdx.epa.gov/)). You must use the appropriate electronic report in CEDRI for this subpart or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the CEDRI Web site (https://www3.epa.gov/ttn/chief/cedri/). If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in §60.4. Once the form has been available in CEDRI for at least 90 calendar days, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in this subpart, regardless of the method in which the reports are submitted. If you claim that some of the information required to be submitted via CEDRI is CBI, submit a complete report generated using the appropriate form in CEDRI or an alternate electronic file consistent with the XML schema listed on the EPA's CEDRI Web site, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via CEDRI.</p>

<p>(13) If you are required to electronically submit a report through CEDRI in the EPA’s CDX, and due to a planned or actual outage of either the EPA’s CEDRI or CDX systems within the period of time beginning 5 business days prior to the date that the submission is due, you will be or are precluded from accessing CEDRI or CDX and submitting a required report within the time prescribed, you may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. You must provide to the Administrator a written description identifying the date, time and length of the outage; a rationale for attributing the delay in reporting beyond the regulatory deadline to the EPA system outage; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported. In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved. The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.</p>
<p>(14) If you are required to electronically submit a report through CEDRI in the EPA’s CDX and a force majeure event is about to occur, occurs, or has occurred within the period of time beginning 5 business days prior to the date the submission is due, the owner or operator may assert a claim of force majeure for failure to timely comply with the reporting requirement. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage). If you intend to assert a claim of force majeure, you must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. You must provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported. In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs. The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.</p>

This template (T) used to each field indicates that the corresponding field is required.

SITE INFORMATION										ALTERNATIVE ADDRESS INFORMATION (IF NO PHYSICAL ADDRESS AVAILABLE FOR SITE) *				REPORTING INFORMATION		ADDITIONAL INFORMATION		
Facility Report To: <div>(Facility owner and operator(s) must generate if unable to self-report)</div>	Company Name *	Facility Site Name *	US Well-ID or US Well-ID Associated with the affected facility, if applicable. <div>(0001-1402a(b)(3)(i))</div>	Does the site have a physical address? <div>(Select from dropdown box)</div>	Address of affected facility * <div>(0001-1402a(b)(3)(i))</div>	Address 2 *	City *	County *	State Abbreviation *	Zip Code *	Description of Site Location <div>(0001-1402a(b)(3)(i))</div>	Latitude of the Site (decimal degrees to 5 decimal, using the North American Datum of 1983) <div>(0001-1402a(b)(3)(ii))</div>	Longitude of the Site (decimal degrees to 5 decimal, using the North American Datum of 1983) <div>(0001-1402a(b)(3)(ii))</div>	Responsible Agency <div>(Facility ID State Facility Identifier)</div>	Beginning Date of Reporting Period *	Ending Date of Reporting Period *	Please enter any additional information.	Enter associated file name reference
e.g. ABC Company	e.g. 902 Company	e.g. 12-345-67890-12	e.g. 12-345-67890-12	e.g. Yes	e.g. 123 Main Street	e.g. Suite 100	e.g. Chicago	e.g. Cook	e.g. IL	e.g. 10000	e.g. 7 miles NE of the intersection of Hwy 123 and Hwy 456	e.g. 24.12345	e.g. -85.12345	e.g. 24.12345	e.g. 04/01/2016	e.g. 04/01/2016		e.g. address.cdr or addresslocation.pdf
1. Liquid Assets, LLC	Redden Development Facility			No								70.0100	-97.00774		5/1/2016	5/1/2016		

Based on your answers to the following questions, relevant tabs will appear in this workbook.

Will you be reporting for the following affected facilities:	
	Wells?
	Centrifugal Compressor?
	Reciprocating Compressor?
	Pneumatic Controller?
	Storage Vessel?
	Collection of Fugitive Emissions Components?
	Pneumatic Pump?
	Sweetening Unit?

Do you need to report information for a fugitive monitoring survey?

Are you required to report information on cover and closed vent system inspections and monitoring for reciprocating compressors, centrifugal compressors, storage vessels or pneumatic pumps?

Do you need to report deviations for a well, centrifugal compressor, reciprocating compressor, pneumatic controller, storage vessel, pneumatic pump, or control device tested under 60.5413a(d)?
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2023-01-01 00:00:00 to 2023-01-01 00:00:00 (Date Range)

General Information														Identification										Classification										Status										Location										Date										Time										Frequency										Duration										Priority										Severity										Impact										Risk										Mitigation										Resolution										Follow-up										Comments										Notes										Attachments										References										Links										Tags										Keywords										Metadata										History										Audit										Log										Footer																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report!!
For each centrifugal compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(3)(i) through (v) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required. Fields highlighted in black are not required.					Centrifugal Compressors with Control Device Tested Under §60.5413a(d)			Centrifugal Compressors with Control Device Not Tested Under §60.5413a(d)	
Facility Record No. * <small>(Select from dropdown list - may need to scroll up)</small>	Compressor ID * <small>(§60.5420a(b)(3)(ii) and (b)(3)(iii))</small>	Was the pneumatic controller constructed, modified, or reconstructed during the reporting period? * <small>(§60.5420a(b)(3)(i)) (Select from dropdown list)</small>	Was a control device used to reduce emissions? <small>(Select from dropdown list)</small>	Was the control device tested under §60.5413(d)? <small>(Select from dropdown list)</small>	Make of Purchased Device * <small>(§60.5420a(b)(3)(iv)(B))</small>	Model of Purchased Device * <small>(§60.5420a(b)(3)(iv)(B))</small>	Date of purchase * <small>(§60.5420a(b)(3)(iv)(B))</small>	Date the performance test was conducted * <small>(§60.5420a(b)(3)(v))</small>	Pollutant(s) tested * <small>(§60.5420a(b)(3)(v))</small>
e.g.: Comp-12b	e.g.: Yes	e.g.: Yes	e.g.: Yes	e.g.: Yes	e.g.: Incinerator Guy	e.g.: 400 Combustor	e.g.: 12/10/2016	e.g.: 10/16/20616	e.g.: THC

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For each reciprocating compressor affected facility, an owner or operator must include the information specified in paragraphs (b)(4)(i) through (iii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Compressor ID * (\$60.5420a(b)(1)(iii))	Are emissions from the rod packing being routed to a process through a closed vent system under negative pressure? * (\$60.5420a(b)(4)(i)) (Select from dropdown list)	What are the cumulative number of hours or months of operation since initial startup, since August 2, 2016, or since the previous reciprocating compressor rod packing replacement (whichever is later)? * (\$60.5420a(b)(4)(i))	Units of Time Measurement * (\$60.5420a(b)(4)(i)) (Select from dropdown list)
e.g.: Comp-12b	e.g.: Yes	e.g.: 2	e.g.: Hours	

Table 1: Summary of the data sources and the variables used in the study					
Variable	Source	Unit	Frequency	Time Period	Description
GDP	World Bank	US\$	Annual	1990-2019	Gross Domestic Product
Population	World Bank	Millions	Annual	1990-2019	Total population
Urbanization	World Bank	%	Annual	1990-2019	Urban population as a percentage of total population
Government Expenditure	World Bank	US\$	Annual	1990-2019	Government expenditure on health
Healthcare Expenditure	World Bank	US\$	Annual	1990-2019	Healthcare expenditure
Healthcare Quality	World Bank	Score	Annual	1990-2019	Healthcare quality index
Healthcare Access	World Bank	Score	Annual	1990-2019	Healthcare access index
Healthcare Efficiency	World Bank	Score	Annual	1990-2019	Healthcare efficiency index
Healthcare Equity	World Bank	Score	Annual	1990-2019	Healthcare equity index
Healthcare Sustainability	World Bank	Score	Annual	1990-2019	Healthcare sustainability index

[illegible]

1	Badami Development Fr. No	well site	No		No		Not applicable		8/25/2019
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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraphs (b)(2)(i) through (iv) of this section in all annual reports.

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * [Select from dropdown list - must read to enter value]	Pump ID * (60.5420a(b)(1)(i))	Was the pneumatic pump constructed, modified, or reconstructed during the reporting period? * (60.5420a(b)(ii)) [Select from dropdown list]	What condition does the pneumatic pump meet? * (60.5420a(b)(iii)) [Select from dropdown list]	Has the pneumatic pump affected facility been previously reported under 60.5420a(b)(ii), and has a change in its reported condition occurred during this reporting period? * (60.5420a(b)(iv)) [Select from dropdown list]	Date Previously Reported* (60.5420a(b)(v))	Which condition does the pneumatic pump meet? * (60.5420a(b)(vi)) [Select from dropdown list]	Is the control device designed to achieve less than 95 percent emissions reduction? * (60.5420a(b)(vii)) [Select from dropdown list]	What is the percent emissions reduction of the control device? * (60.5420a(b)(viii)) and (ix)(A)
n.a. - Part 60	n.a. - Yes	n.a. - 60.5420a(b)(ii)(1) - Rebuilt to a control device/emissions	n.a. - Yes	n.a. - 10/15/17	n.a. - 60.5420a(b)(v)(1) - No control device/emissions available	n.a. - Yes	n.a. - 95%	

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report!!
60.5423a What additional recordkeeping and reporting requirements apply to my sweetening unit affected facilities at onshore natural gas processing plants? You must submit a report of excess emissions to the Administrator in your annual report if you had excess emissions during the reporting period. The report must contain the information specified in paragraph (b)(3):

The asterisk (*) next to each field indicates that the corresponding field is required. Fields highlighted in black are not required.										
Facility Record No. * (Select from dropdown list) <small>(see record no. instructions)</small>	Identification of Sweetening Unit * <small>(60.5420a(b)(3)(ii))</small>	Time of Commencement of Excess Emissions Period * <small>(60.5423a(b)(3)(ii))</small>	Date of Commencement of Excess Emissions Period * <small>(60.5423a(b)(3)(ii))</small>	Time of Completion of Excess Emissions Period * <small>(60.5423a(b)(3)(ii))</small>	Date of Completion of Excess Emissions Period * <small>(60.5423a(b)(3)(ii))</small>	Which type of excess emissions is this? (Select from dropdown list)	Required Minimum Efficiency (Z) * <small>(60.5423a(b)(3)(ii))</small>	Actual Average Sulfur Emissions Reduction Efficiency (R) * <small>(60.5423a(b)(3)(ii))</small>	Appropriate Operating Temperature * <small>(60.5423a(b)(3)(ii))</small>	Actual Operating Temperature * <small>(60.5423a(b)(3)(ii))</small>
		e.g.: 10:00 am	e.g.: 1/1/19	e.g.: 2:00 pm	e.g.: 1/2/19	e.g.: Sulfur emission reduction efficiency	e.g.: 97.5	e.g.: 99	e.g.: 820 C	e.g.: 750 C

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report!

For each cover and closed vent system subject to §60.5416a, an owner or operator must include the information specified in paragraphs (b)(3)(iii), (b)(4)(iii), (b)(6)(ix), and (b)(8)(v) in all annual reports, as applicable:

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. *	Type of Affected Source *	Affected Source ID *	Date of each inspection *	Leak or defect identified during the inspection *	How was the defect or leak repaired? *	Has the repair been completed or delayed? *	Date of Repair or Anticipated Date of Repair *	Date of Bypass Alarm or Key Checked Out *	Time of of Bypass Alarm or Key Checked Out *	Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. *
[Select from dropdown list - may need to scroll up]	[Select from dropdown list]	(§60.5420a(b)(3)(ii))	(§60.5420a(b)(3)(iii)(A), (b)(4)(iii)(A), (b)(6)(ix)(A), (b)(8)(v)(A))	(§60.5420a(b)(3)(iii)(B), (b)(4)(iii)(B), (b)(6)(ix)(B), (b)(8)(v)(B))	(§60.5420a(b)(3)(iii)(B), (b)(4)(iii)(B), (b)(6)(ix)(B), (b)(8)(v)(B))	[Select from dropdown list]	(§60.5420a(b)(3)(iii)(B), (b)(4)(iii)(B), (b)(6)(ix)(B), (b)(8)(v)(B))	(§60.5420a(b)(3)(iii)(C), (b)(4)(iii)(C), (b)(6)(ix)(C), (b)(8)(v)(C))	(§60.5420a(b)(3)(iii)(C), (b)(4)(iii)(C), (b)(6)(ix)(C), (b)(8)(v)(C))	(§60.5420a(b)(12)) Please provide only one file per record.
e.g.: centrifugal compressor	e.g.: Comp-52a	e.g.: 10/16/2016	e.g.: Compressor seal leaking	e.g.: Replaced seal	e.g.: Completed	e.g.: 1/1/17	e.g.: 10/16/16	e.g.: 2:13 pm	e.g.: Certification.pdf or XYZCompressorStation.pdf	

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report!

For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraphs (b)(8)(i) through (iv) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.													
Facility Record No. * (Select from dropdown list - may need to scroll up)	Type of Affected Source * (60.5420a(b)(1)(ii)) (Select from dropdown list)	Affected Source ID * (60.5420a(b)(1)(ii))	Is this a deviation of a control device tested under §60.5420a(b)(1)(ii)? * (60.5420a(b)(1)(iv)(C); (b)(6)(vi)(C); (b)(6)(vi)(C)) (Select from dropdown list)	Type of deviation * (60.5420a(b)(3)(iv)(C); (b)(6)(vi)(C)) (Select from dropdown list)	Description of deviation * (60.5420a(b)(2)(vi); (b)(3)(i); (b)(4)(i); (b)(5)(ii); (b)(6)(i); (b)(8)(iii))	Date deviation began * (60.5420a(b)(2)(vi); (b)(3)(i); (b)(4)(i); (b)(5)(ii); (b)(6)(i); (b)(8)(iii))	Time deviation began * (60.5420a(b)(2)(vi); (b)(3)(i); (b)(4)(i); (b)(5)(ii); (b)(6)(i); (b)(8)(iii))	Duration of deviation * (60.5420a(b)(2)(vi); (b)(3)(i); (b)(4)(i); (b)(5)(ii); (b)(6)(i); (b)(8)(iii))	Units of Time for Duration * (60.5420a(b)(2)(vi); (b)(3)(i); (b)(4)(i); (b)(5)(ii); (b)(6)(i); (b)(8)(iii)) (Select from dropdown list)	Was the combustion unit returned to operation from a maintenance or repair activity? *	Date of Visible Emissions Test * (60.5420a(b)(3)(iv)(D); (b)(6)(vi)(D))	Length of the Test * (60.5420a(b)(3)(iv)(D); (b)(6)(vi)(D))	Amount of Time Visible Emissions Present * (60.5420a(b)(3)(iv)(D); (b)(6)(vi)(D))
e.g.: centrifugal compressor		e.g.: Comp-2A-1	e.g.: Yes	e.g.: No indication of the presence of a pilot flame	e.g.: A separator was not onsite for part of the flowback period.	e.g.: 10/16/16	e.g.: 10:00 AM	e.g.: 5	e.g.: hours	e.g.: Yes	e.g.: 1/15/18	e.g.: 1 hour	e.g.: 0 minutes